



 National Institute of Standards and Technology  Homeland Security	INTERNATIONAL BIOMETRIC PERFORMANCE CONFERENCE Evaluation and Specification of Biometric Technologies March 2-4, 2010 Call for Papers	 National Physical Laboratory 
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NIST, NPL and Fraunhofer IGD announce an international conference on performance and testing of biometric systems. The forum will bring together evaluators, users, technology providers to discuss performance-related issues in any applications and programs that embed a biometric function or component.

The conference is intended to detail the latest developments in *how* systems are being tested and certified, rather than on the latest testing results. The conference will also address what performance criteria are being specified in procurement and selection processes. The talks will respect operational needs, and will give emphasis to what operators require from test and evaluation activities. The conference aims to identify how the accumulated experience of the last decade (research, evaluation, deployment, outcomes) can be leveraged to direct future biometrics-based applications. The conference will also address the required properties of core algorithms. The conference aims to identify novel evaluation methodologies and recent trends in testing, and to determine what is most operationally relevant in the context of the contemporary and emerging marketplaces.

<p>Topic area I: Test methods: Beyond the DET: Novel tests and performance metrics Efficient testing, statistical methods Product and component tests Identification systems Interoperability testing Conformance testing (especially Level III / Semantic) Performance properties of biometric algorithms Untested aspects of performance, testing and standardization gaps Uses and appropriateness of synthetic samples</p> <p>Topics area II: Security and privacy aspects Evaluation of multi-factor authentication Testing resistance to active attacks (vulnerability, spoofing) Feasibility of common criteria testing of biometric components Defeat of systems (detection of evasion) Template protection and biometric pseudo-identifiers Privacy enhancing technology, de-identification Usability / Accessibility testing for biometrics Retrospectives, lessons learned, history, long term perspective.</p> <p>Topic area III: Operational aspects Certification criteria and certification programs New testing campaigns Total system performance<ul style="list-style-type: none">Accuracy, speed, security, reliability, usability, interoperability, scalabilityHow to specify performance (for procurement) Technology vs. scenario vs. operational vs. other tests From research, to design, to deployment, to fielded operation Quality and reliability of sensors and capture devices Quality of samples and databases. Evaluation / roles of Quality Remote testing and Testing in the Cloud</p>	<p>Program Committee: Patrick Grother, Elham Tabassi, NIST, US Tony Mansfield, NPL, UK Christoph Busch, Fraunhofer IGD, DE</p> <p>Intended speakers: Users, evaluators, research and development staff, system analysts, the writers of technical specifications, standards developers and adopters.</p> <p>Target audience: Professionals concerned with biometric system evaluation, procurement, deployment, maintenance, design, configuration, integration, standardization, research and development.</p> <p>Important dates: 10/30/2009 - Submission of abstracts: Min 1, max 5 pages, as DOC or PDF. 11/13/2009 - Notification of acceptance 02/12/2010 - Submission of presentation 02/22/2010 - Final copy for Proceedings 03/01/2010 - Conference start</p> <p>Logistics: When: March 2-4, 2010 Where: (Likely) Green Auditorium (cap. 250) NIST Gaithersburg, MD, USA Internet: Wireless Hotel: Two Gaithersburg Area Hotels, TBA Fee: \$US 250 (Payment details TBA)</p> <p>Contact the organizers: Email: ibpc2010 AT nist DOT gov</p>	
 <p>Homeland Security Science and Technology</p>	 <p>Keeping America's Doors Open and Our Nation Secure</p>	